ABSTRACT

A method and system for providing a modulized server-on-a-board is disclosed. The server-on-a-board is installed on a computing device. The method and system include providing bus interface logic, providing local control BIOS, a flash memory and a set of control button connectors, light emitting diodes (LED) connectors and a liquid crystal display (LCD) connector. The local control BIOS is coupled with the bus interface logic and the flash memory. The bus interface logic interacts with the computing device and allows computing device to detect the server board. The local control BIOS boots up the server and prepares the computing device for use as the server. The flash memory stores a server image for the server, which is provided to the computing device using the local control BIOS. The control button connectors allow the server to be turned on, shut down gracefully, or restored to its initial state, by a single press of buttons connected to these connectors. The LED and LCD connectors allow the system status to be displayed or shown.